

ABSTRACT

A single cell fuel sensor (10) has a housing (12) including a fuel inlet chamber (14), a fuel
5 mixing chamber (16) and a fuel outlet chamber (18). The fuel inlet chamber (14) includes an
inlet orifice (20) leading into the mixing chamber (16) at a given level and the fuel outlet
chamber (18) includes an outlet orifice (22) leading out of the mixing chamber (16) at a
second level that is spaced from the given level. An electrode (24) is fitted into the mixing
chamber and electrically isolated from the housing (12), for example by a glass seal (26). In
10 a preferred embodiment of the invention the housing (12) is an insert casting.